

**Object and vehicle warning system - uses laser range finder as scanner to identify obstructions or objects ahead of vehicle and issues warning to driver**

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**Abstract of DE4115747**

A forward looking laser scanning system is used by road vehicles to provide early warning of obstructions that are not readily seen by the driver. The system has a laser (2) directing an output onto the surface of a transparent polygonal prism, e.g. a cube (2) that is rotated about an axis by a motor (3). The angular position is measured by an encoder (3). The scanning beam passes through a lens (7). Signals reflected back are focussed (8) onto the prism and are received (10) for processing. A further scanner set at 90 degrees allows vehicle inclination angles to be included.  
**ADVANTAGE** - Provides obstruction warnings to reduce possibility of collision.

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